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Lyle

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(54) **WIRELESS COMMUNICATION DEVICE WITH CONCEALED VALUE IN MOBILE GAMING**

(71) Applicant: **UIPCO, LLC**, San Antonio, TX (US)

(72) Inventor: **Ruthie D. Lyle**, Durham, NC (US)

(73) Assignee: **United Services Automobile Association (USAA)**, San Antonio, TX (US)

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(52) **U.S. Cl.**
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None
See application file for complete search history.

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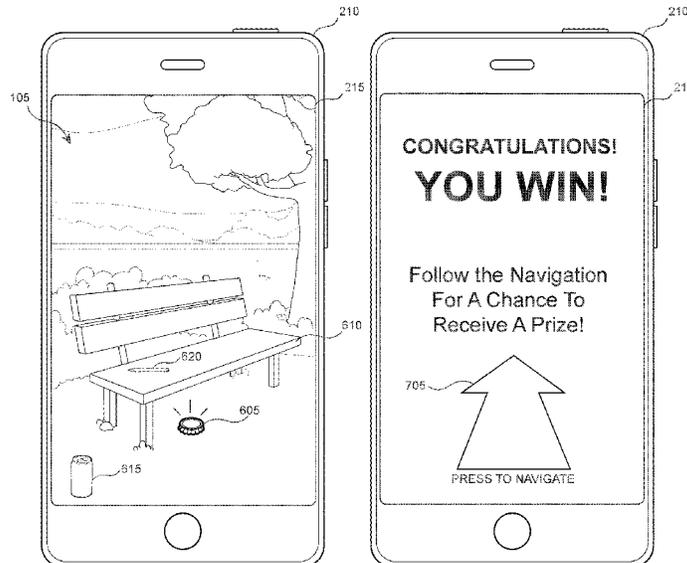
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Primary Examiner — Seng H Lim
(74) *Attorney, Agent, or Firm* — Plumsea Law Group, LLC

(57) **ABSTRACT**

A method for guiding game play of a game in an augmented reality game space. The game runs on a smart device in conjunction with a game space. The method includes determining that a user has completed a game objective and earned the right to a game piece having a concealed value. Information including an indication that the user has completed the game objective is sent from a smart device to a game server. The game server receives information from the smart device and sends information including a location of the game piece having a concealed value to the smart device and to a confirmation device. The smart device displays a location of the game piece having a concealed value in the augmented reality game space. Also, a system for game play including the smart device, the game server, and the confirmation device.

20 Claims, 13 Drawing Sheets



Related U.S. Application Data

- continuation of application No. 17/103,201, filed on Nov. 24, 2020, now Pat. No. 11,465,054.
- (60) Provisional application No. 62/943,412, filed on Dec. 4, 2019.
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A63F 13/67 (2014.01)
A63F 13/795 (2014.01)
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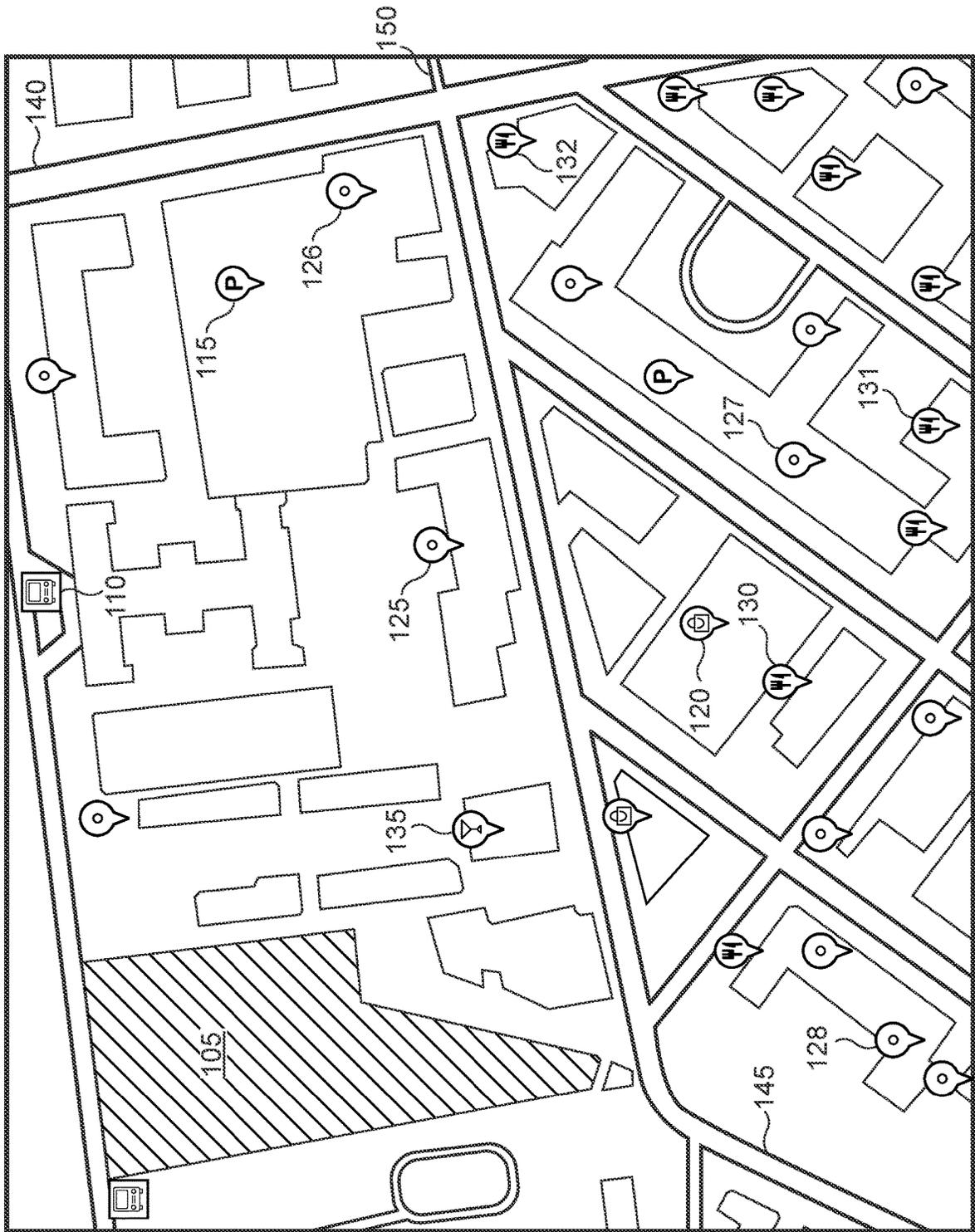


FIG. 1

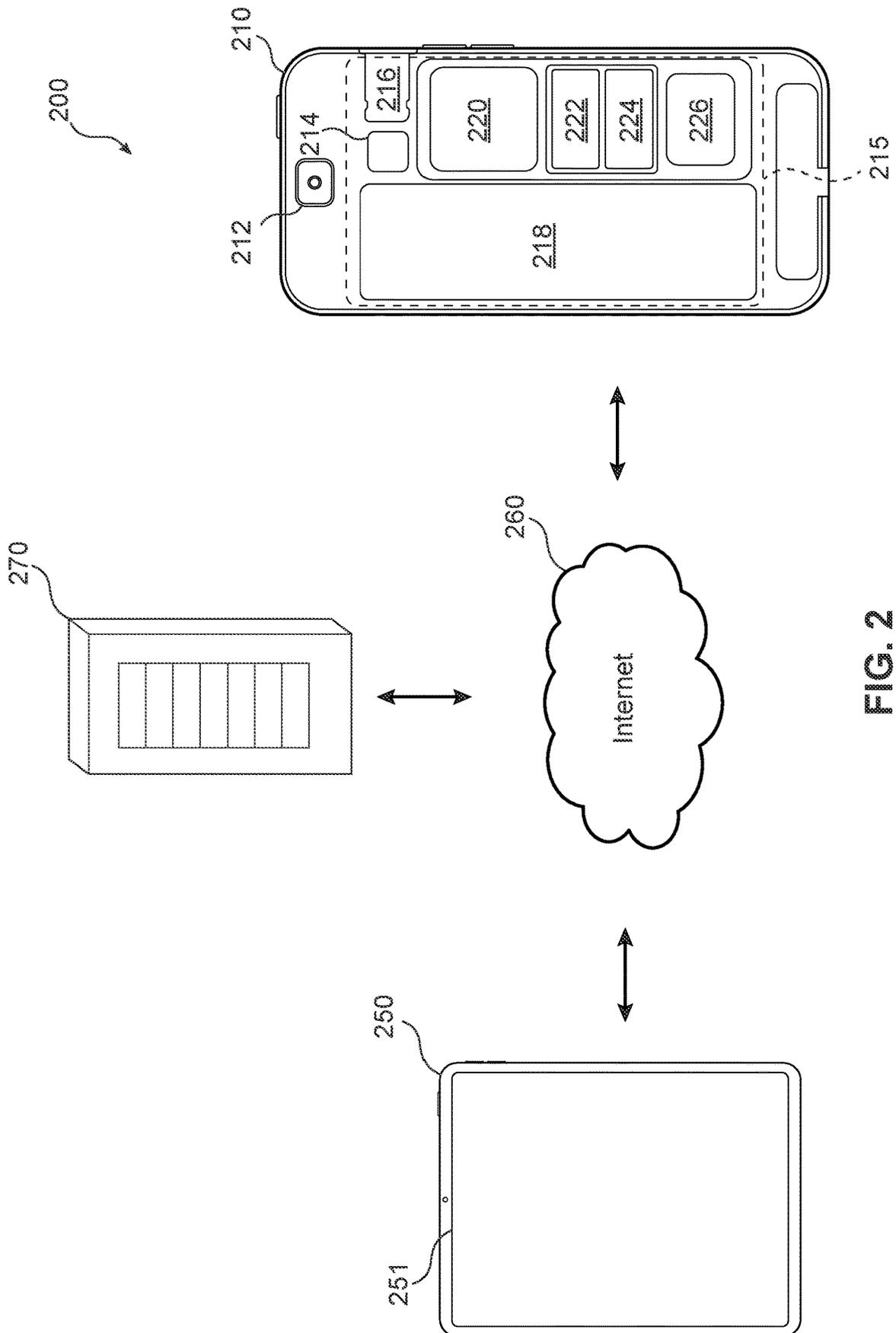


FIG. 2



FIG. 3

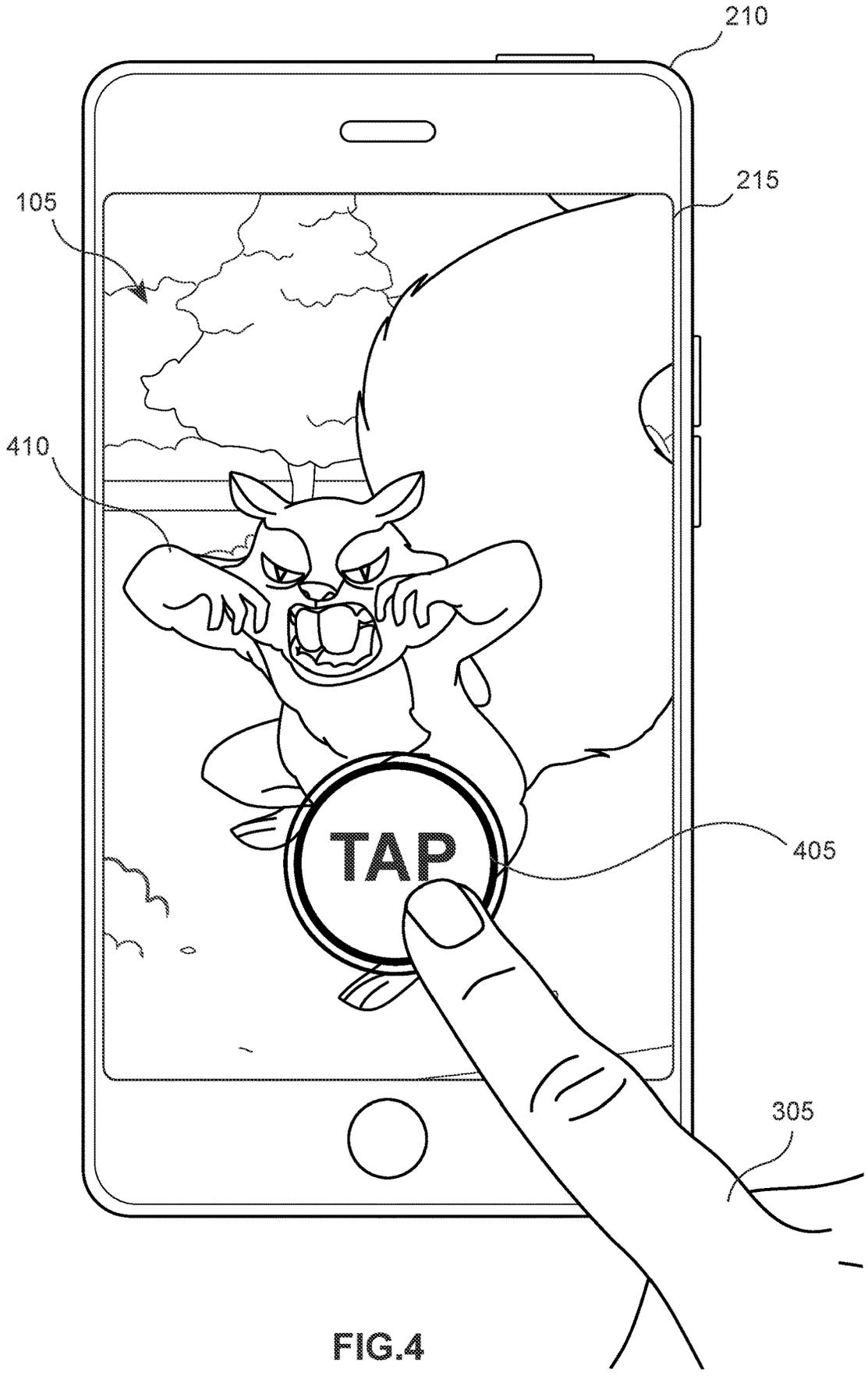


FIG.4



FIG. 5

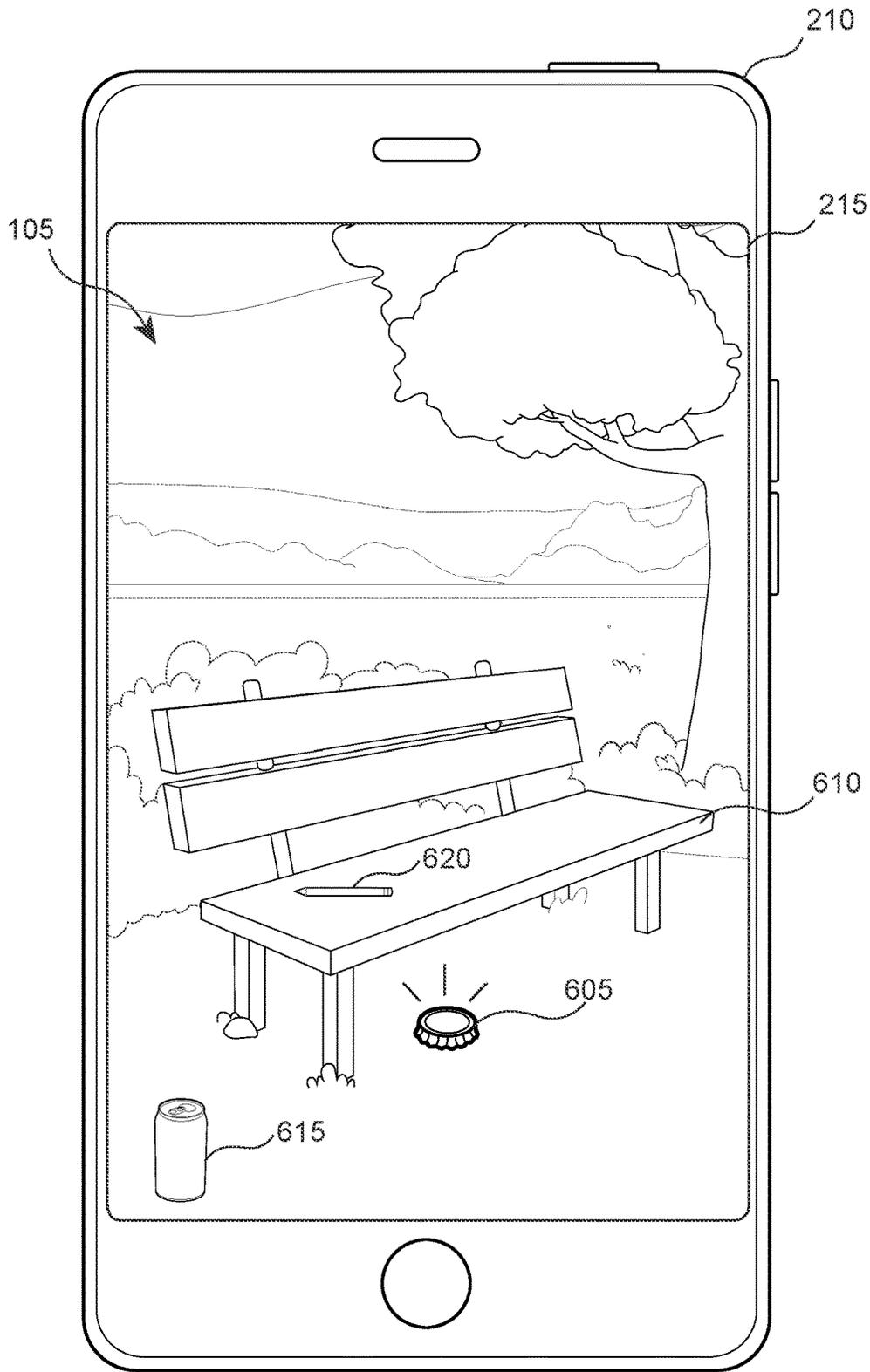


FIG. 6



FIG. 7

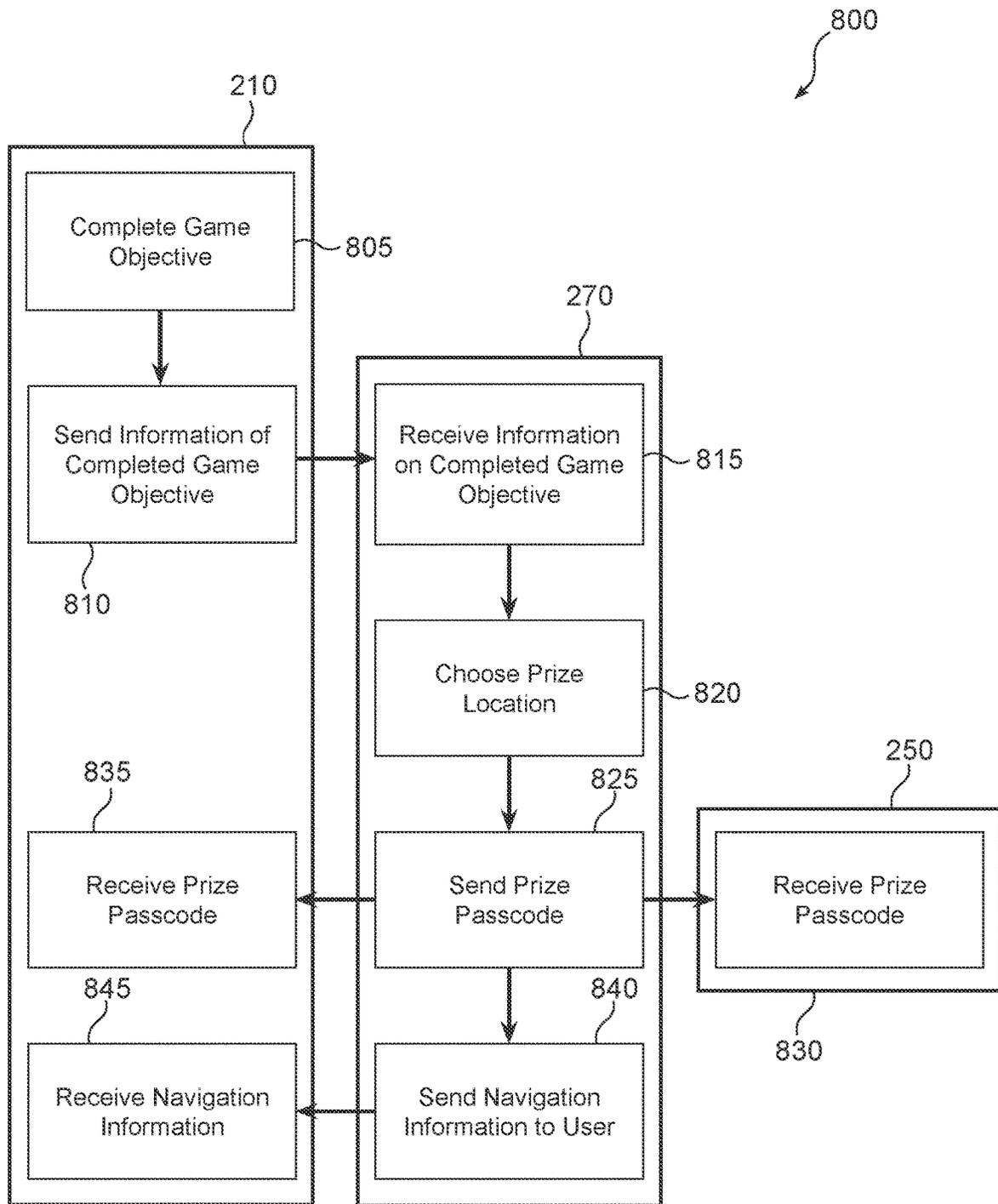


FIG. 8

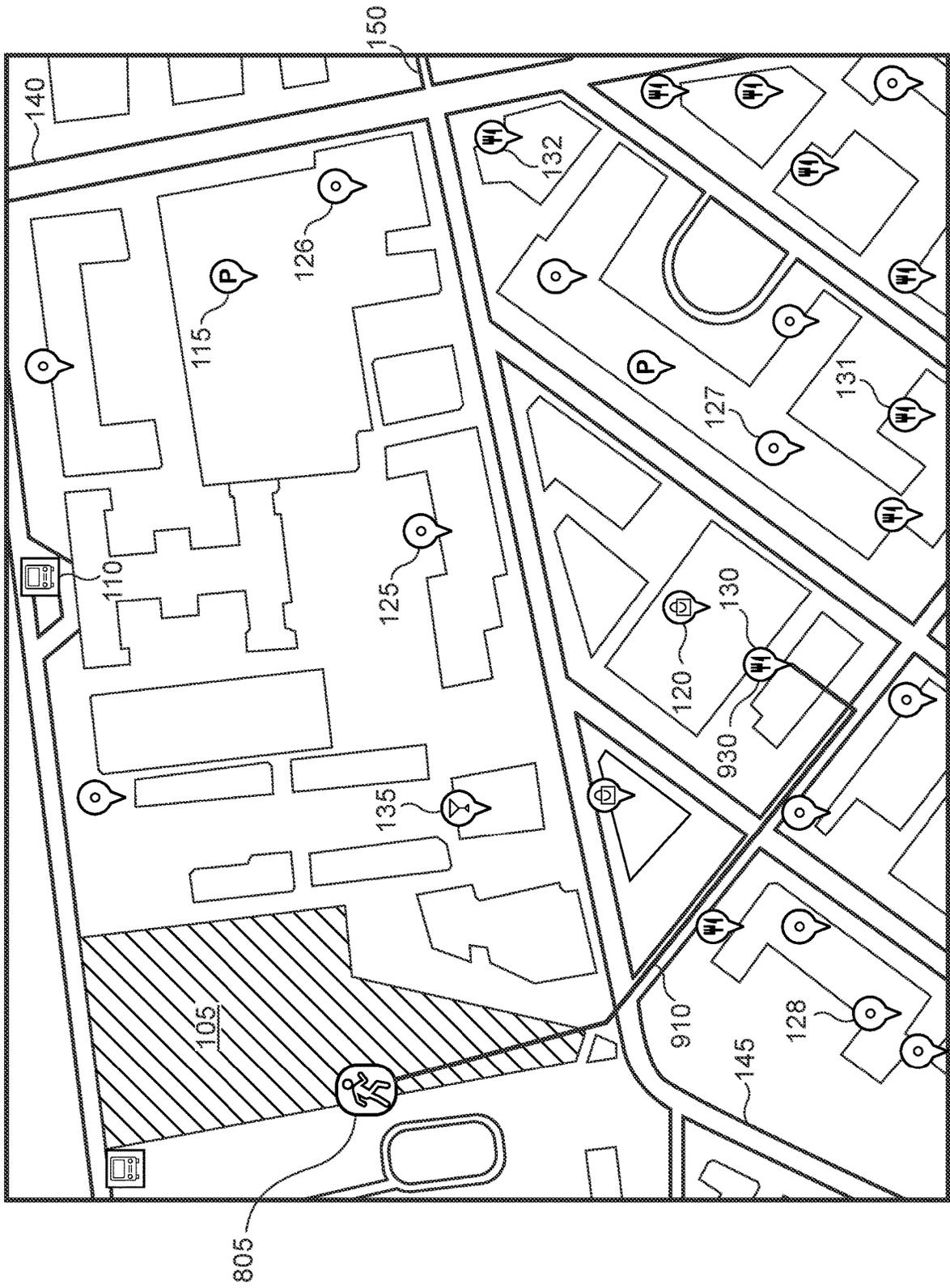


FIG. 9

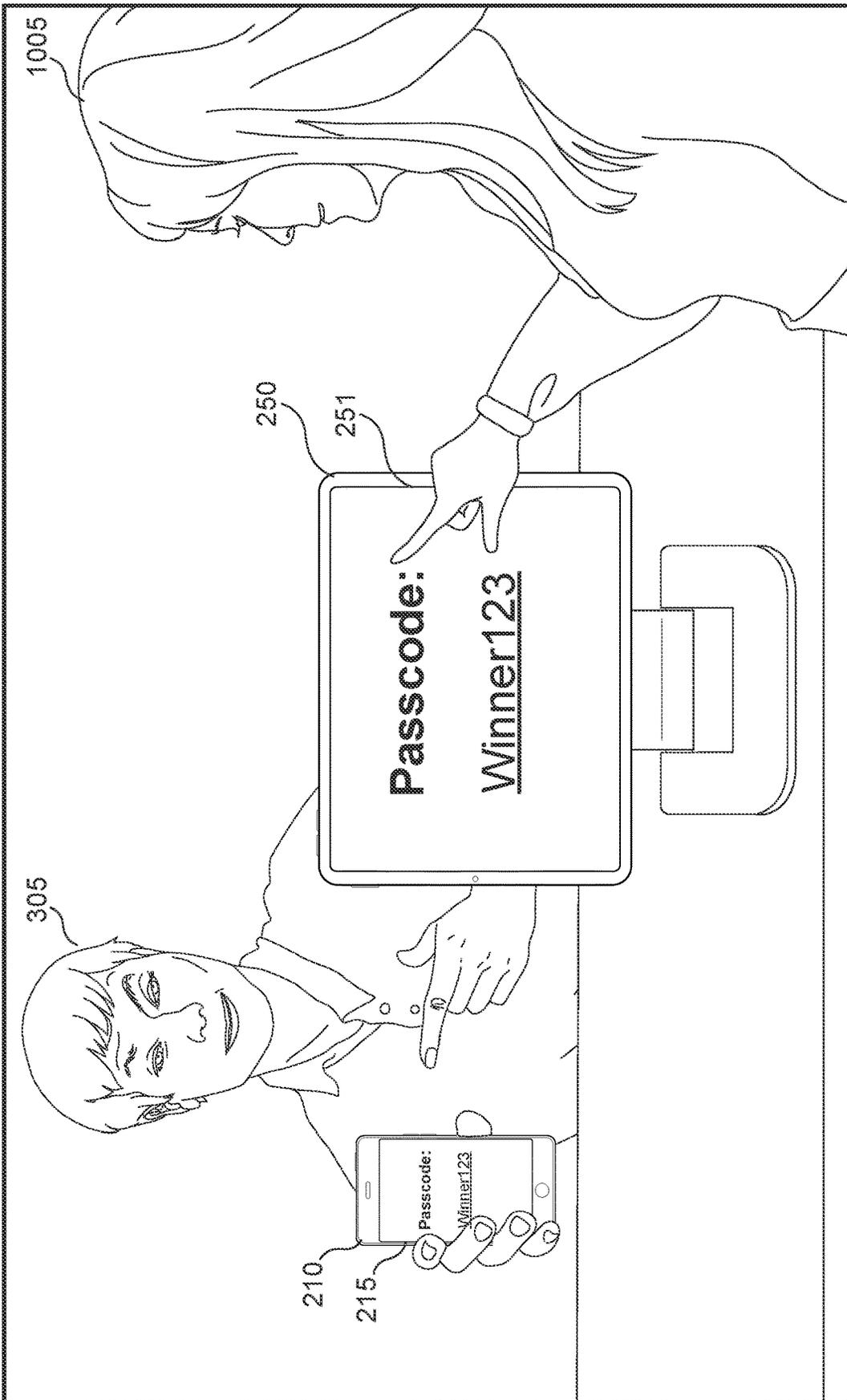


FIG. 10

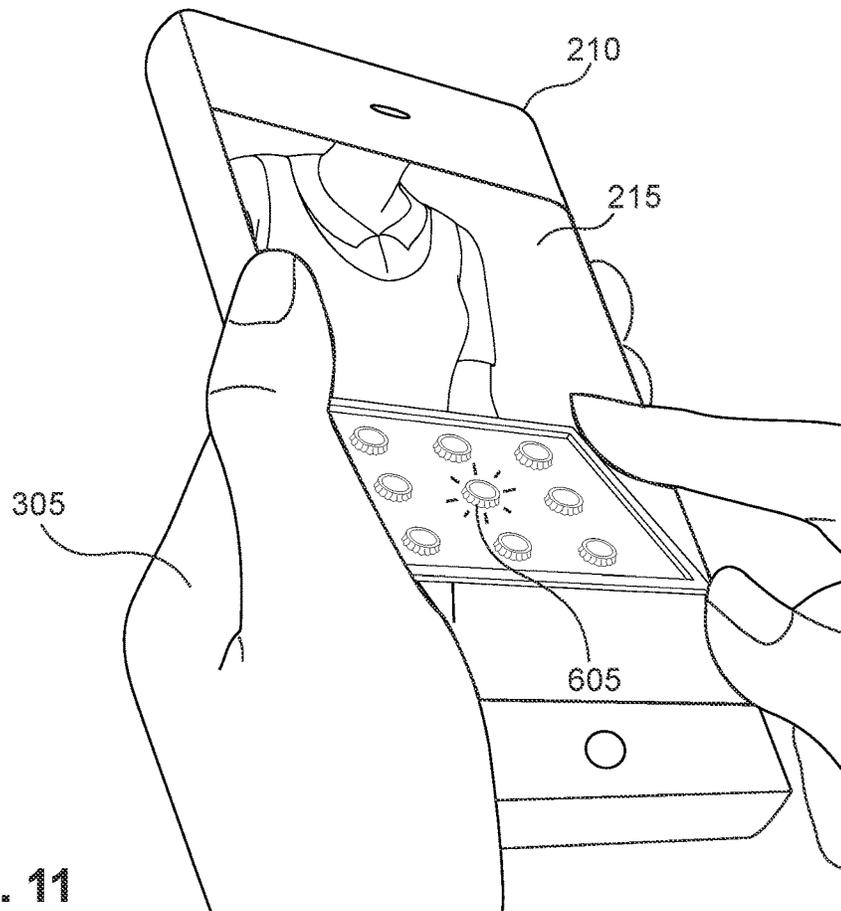
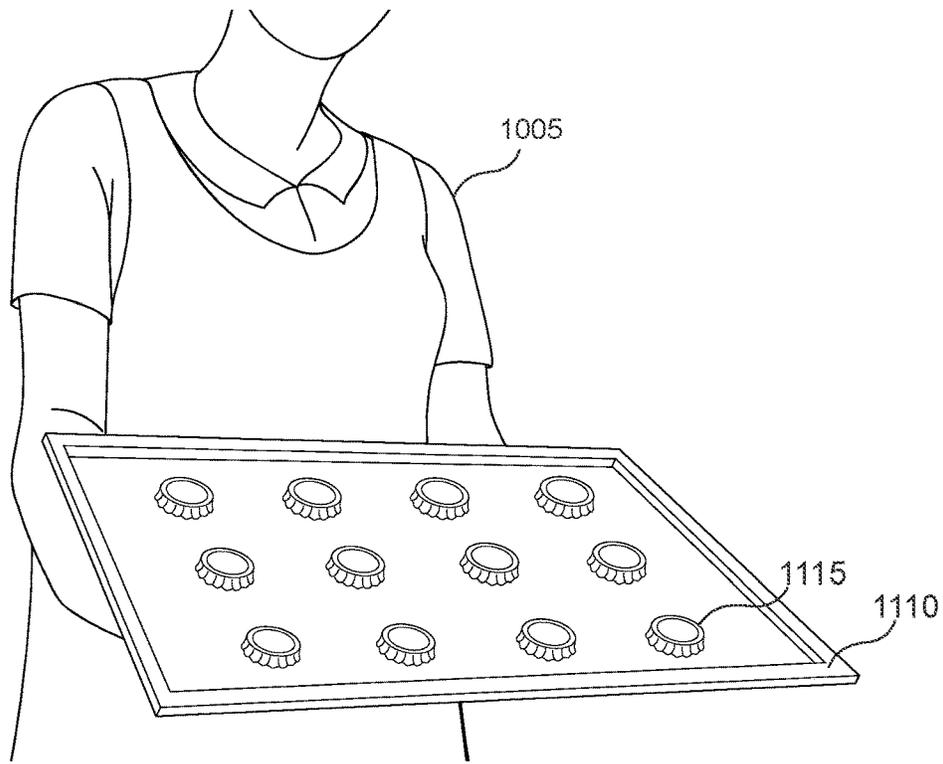


FIG. 11

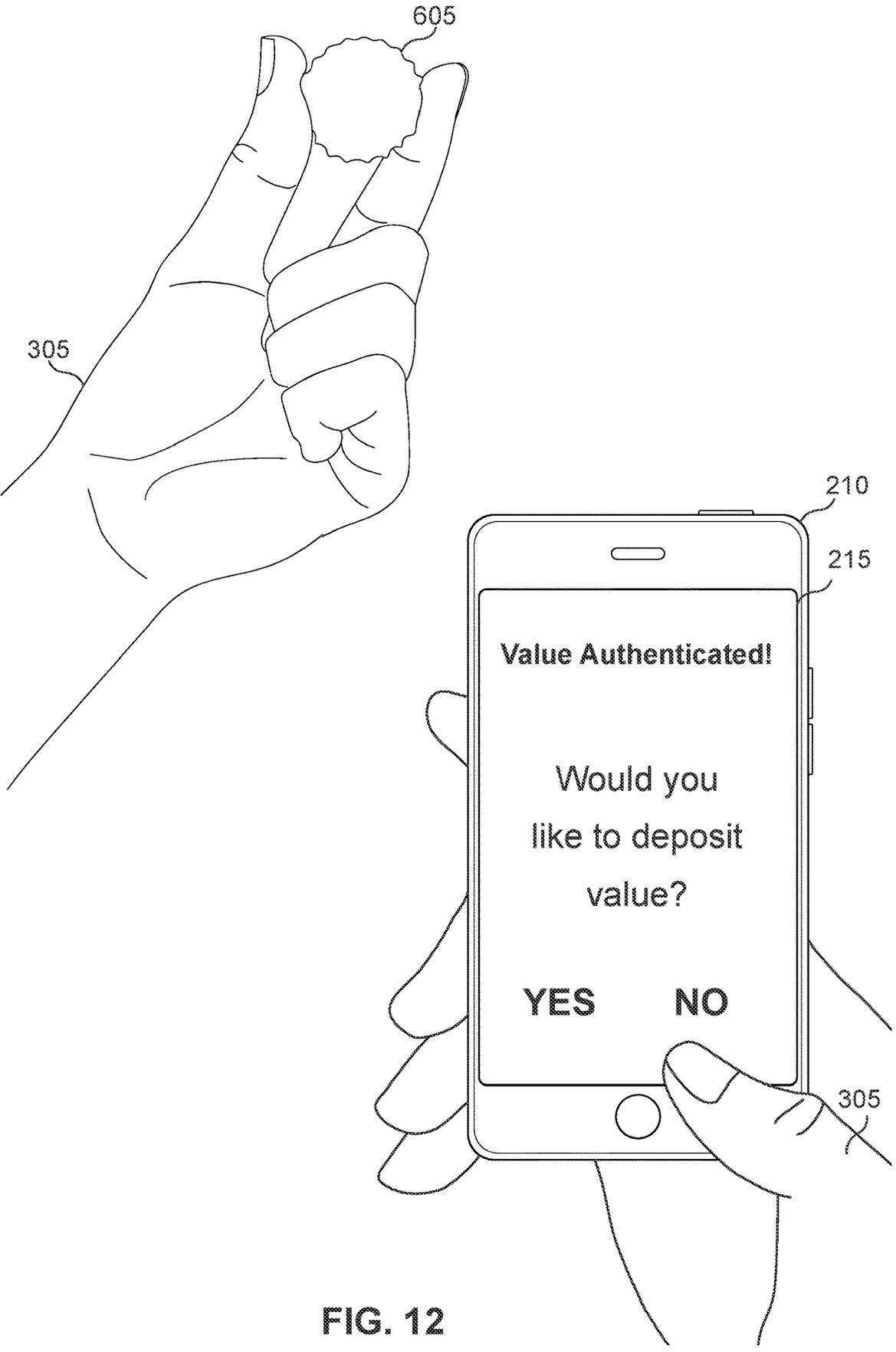


FIG. 12

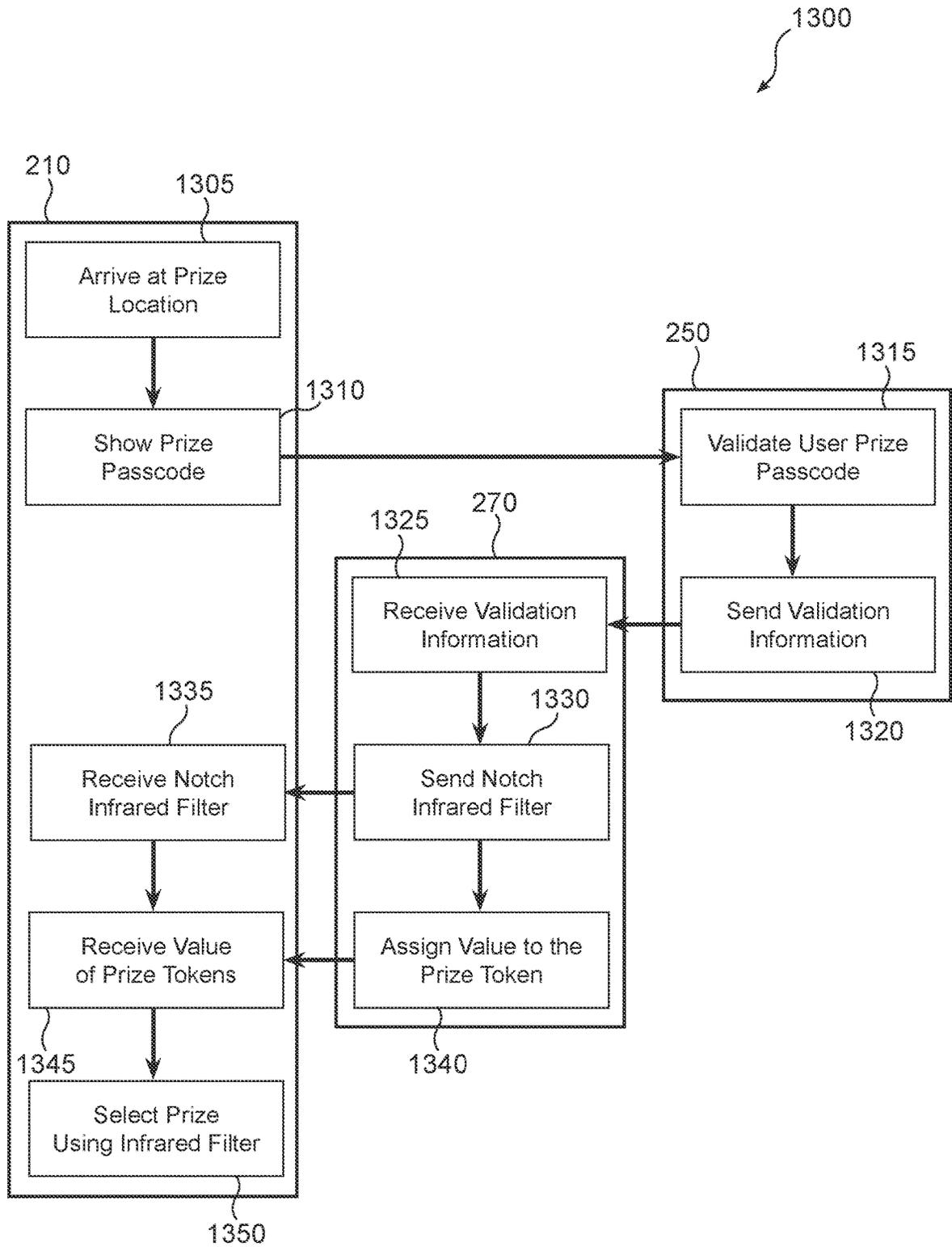


FIG. 13

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WIRELESS COMMUNICATION DEVICE WITH CONCEALED VALUE IN MOBILE GAMING

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of and claims the benefit of U.S. patent application Ser. No. 17/860,214, filed Jul. 8, 2022 and titled “Wireless Communication Device with Concealed Value in Mobile Gaming”, which application is a continuation of and claims the benefit of U.S. patent application Ser. No. 17/103,201, filed Nov. 24, 2020 and titled “Wireless Communication Device with Concealed Value in Mobile Gaming”, which application claims the benefit of U.S. Provisional Patent Application Ser. No. 62/943,412, filed Dec. 4, 2019, and titled “Wireless Communication Device with Concealed Value in Mobile Gaming”, the entirety of which applications are hereby incorporated by reference.

BACKGROUND

The present disclosure relates to game play in an augmented reality game space. In particular, the disclosure relates to an augmented reality game wherein rewards may be in the form of game pieces having a concealed value, and to a system for game play.

Many single-user and multiple-user games in which the player or user seeks to complete a task more quickly than other players, to most accurately hit a target, or capture objects, are available. These games are designed to be played alone or with others, and may involve team play.

Scoring in such games often is predictable because the scores obtained are merely the sums of the various objects captured, speed obtained, and the like related to the objective of the game. Scoring may be related to the difficulty of carrying out the task, but the selections are known. Game play becomes repetitive, and players lose interest.

Users may lose interest in games having a ‘playing board’ format that requires all players be in the same location. Other games that require separation of the players may become disused because of a lack of camaraderie. The thrill of victory is somewhat dampened by the fact that the winner may be alone. With no other players nearby, the fun of winning a multi-player game may be somewhat diminished.

In many games, there is no excitement in ordinary game play. Means of scoring are known, thus leading to boring predictability. Also, loss of objects required to play the game may preclude an enjoyable game, especially if the missing piece object leads to other objects and opportunities to advance.

There is a need in the art for a system and method that addresses the shortcomings of the prior art discussed above.

SUMMARY

In one aspect, the disclosure provides a method for guiding game play of a game in an augmented reality game space. The game runs on a smart device in conjunction with a game space. The method comprises determining that a user has completed a game objective and earned the right to a game piece having a concealed value. Information including an indication that the user has completed the game objective is sent to the game server. The game server receives information from the smart device and sends information including a location of the game piece having a concealed value to

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the smart device. The smart device displays a location of the game piece having a concealed value in the augmented reality game space.

In another aspect, the disclosure provides a method for guiding game play. In accordance with the method, the information sent from the game server to the smart device includes a prize passcode. The prize passcode also is sent to a confirmation device at the location of the game piece having a concealed value.

In still another aspect, the disclosure provides a system for playing an augmented reality game. The system includes a game server configured to receive from a mobile system information of a completed game objective, to choose a location for the game piece having a concealed value, and to send a prize passcode to the mobile system. The prize passcode also is sent to a confirmation device, if one is present. The system for playing also includes a mobile system comprising a smart device and configured to determine that the user has completed a game objective, send information regarding completion of a game objective, and receive a prize passcode.

Other systems, methods, features, and advantages of the invention will be, or will become, apparent to one of ordinary skill in the art upon examination of the following figures and detailed description. It is intended that all such additional systems, methods, features and advantages be included within this description and this summary, be within the scope of the invention, and be protected by the following claims.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention can be better understood with reference to the following drawings and description. The components in the figures are not necessarily to scale, emphasis instead being placed upon illustrating the principles of the invention. Moreover, in the figures, like reference numerals designate corresponding parts throughout the different views.

FIG. 1 illustrates an area for game play in accordance with an embodiment;

FIG. 2 illustrates a system for game play in accordance with an embodiment;

FIG. 3 illustrates an embodiment of a user engaging in game play;

FIG. 4 illustrates an embodiment of a user during game play;

FIG. 5 is an embodiment of evidence that a game objective has been completed;

FIG. 6 is an embodiment of an illustration of a game piece having a concealed value at the player’s location;

FIG. 7 is embodiment of an illustration of a game piece having a concealed value at a location remote from the player;

FIG. 8 is a flow chart illustrating steps of an embodiment and illustrating which device in the system hosts the step;

FIG. 9 is an illustration of an embodiment of directions to a remote game piece;

FIG. 10 is an illustration of an embodiment of claiming a prize with a prize passcode;

FIG. 11 illustrates an embodiment of selecting a game piece having a concealed value;

FIG. 12 illustrates an embodiment of an action that can be taken after earning a game piece having a concealed value; and

FIG. 13 is a flow chart of an embodiment of claiming a prize.

DETAILED DESCRIPTION

The disclosure provides a system for playing an augmented reality game. The game will be described in detail herein as it relates to a single user. Game play may include two or more players. The players may play co-operatively, as for a team, or may play individually against the other players. However, game play unique to multiple users may be set forth herein. Game play includes an aspect of unpredictability and excitement not found in earlier games. A game piece having a concealed value provides excitement as the value is discerned. Sponsorship of game play by vendors and advertisers in the game space also may improve business and community relationships. Importantly, a user's ability to store or retain things of value in an account accessed from a game system provides secure storage of those things, as described below.

FIG. 1 illustrates an embodiment of a game space relevant to the system discussed below and shown in FIG. 2. Game space 100 is an arbitrary game space, or a game space having artificial boundaries. Various features may be found in game space 100. Park 105 provides an area within game space 100 that may have trees, paths, benches, fountains, trash receptacles, food vendors, and other features, such as climbing bars, teeter-totters, and other devices. For convenience, only selected members of a group of items have been identified on FIG. 1 with a reference number. Although the disclosure herein may address only these numbered members of a group or category, it is understood that the disclosure applies to every member of the group or category. The unnumbered features may have the same or different properties and characteristics as the numbered features in that group or category. For example, some restaurants may be fine dining destinations while others may have a playground for children.

Other features may include transit stop 110, parking structure 115, and shopping facility 120. Game space 100 also may include first personal location 125, second personal location 126, third personal location 127, and fourth personal location 128. Such personal locations may be stores and boutiques, churches and places of worship, libraries, schools, and the like.

In some embodiments, additional features may be available. In game space 100, first restaurant 130, fine dining restaurant 131, first café 132, and first lounge 135 are identified. A system of streets 140, lanes 145, and paths 150 may be representative of all of the streets in the street group, lanes in the lanes group, and paths in the path group in the game space. In some embodiments, the game play may exclude businesses and locations that maybe considered to be 'adult' places. Examples of such adult places include lounge 135, liquor stores, fine dining restaurant 131, tobacconists, and the like. These and other 'adult' places may be eliminated from consideration in some embodiments of game play intended for children.

FIG. 2 illustrates an embodiment of system 200 for game play. System 200 comprises game server 270 that sends information to and receives information from other devices in the system by way of internet 260. System 200 also includes smart device 210, which may be a mobile device such as a smart phone. Game server 270 is configured to

receive information from a mobile system, such as smart device 210. In some embodiments, the information sent to game server 270 through internet 260 relates to a completed game objective. Game server 270 also may choose a location for a game piece having a concealed value. Game server 270 also may send a prize passcode to the mobile system.

In some embodiments, confirmation device 250 may form part of system 200. Confirmation device 250 may be used to confirm information relating to a completed objective. Such information may include a prize passcode. Information may be exhibited, displayed, or disclosed on screen 251 of confirmation device 250.

System 200 also includes a mobile system comprising a smart device. Smart device 210 may be a smart telephone. In some embodiments, smart device 210 is configured to determine that the user has completed a game objective. Smart device 210 may send information regarding completion of a game objective to game server 270 through internet 260. Game server 270 then sends a prize passcode to smart device 210. In some embodiments, game server 270 also may send the prize passcode to confirmation device 250, if one is present.

Communication module 222 enables flow of information, such as by cellular circuits, WiFi, Bluetooth®, and near-field communication, between and amongst the information sources, i.e., internet 260, confirmation device 250, and smart device 210. Smart device 210 includes camera 212, GPS 214, and processing unit 220. Smart device 210 further includes SIM card 216, memory 224, battery 218, and connection module 226. Each of these features functions in the typical way for a smart device. Connection module 226 enables wired connection of smart device 210 to other devices, to a charger, for example. Information is disclosed on screen or display 215 of smart device 210. In some embodiments, confirmation device 250 may form part of system 200. Information may be exhibited or disclosed on screen 251 of confirmation device 250.

The disclosure also provides a method for guiding game play of a game in an augmented reality game space. The game runs on smart device 210 in use within a game space. The method comprises determining that a user has completed a game objective and earned the right to a game piece having a concealed value. Information including an indication that the user has completed the game objective is sent to game server 270. Game server 270 receives information from smart device 210 and sends information including a location of the game piece having a concealed value to smart device 210. Smart device 210 displays a location of the game piece having a concealed value in the augmented reality game space.

Electronic games, or games that may be played with a smart device, may be played outdoors in a game space limited by, for example, the boundaries of a park or an area bounded by selected streets. Similarly, such a game may have an indoor game space such as a floor of a building, or the entirety of a building. The game space also may be a combination of indoor and outdoor areas, such as a building and the building grounds. A game space also may encompass an area having random or arbitrary boundaries. Random or artificial boundaries are boundaries that need not follow a natural contour or pre-existing boundary. Game play may be successfully achieved in any type of game space. For convenience herein, the game space is described as an outdoor game space having artificial boundaries.

In some embodiments, game pieces may be positioned in predetermined locations, such as those identified in FIG. 1. These game pieces may be ordinary items typically found

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within the game space. Game pieces may be considered tokens to be redeemed for prizes. The actual value of the prize associated with each game piece is determined and established in game server 270. Typically, the actual value of a prize is not revealed until the game piece is redeemed.

In some embodiments, game server 270 establishes the value of each game piece having a concealed value dynamically. Any evaluation technique may be used. The evaluation may be made when the game piece having the concealed value is available in the game space, when the right to have the game piece having a concealed value is acquired by the user, or when the token is redeemed for value. For example, game server 270 may establish a high value for the first, fifth, and tenth game pieces having a concealed values that are found in a multi-player game. Alternatively, value may be set in a pari-mutuel arrangement. Game play that requires that the users pay fees to play, the various fees may be placed in a pool. In accordance with pari-mutuel wagering practices, the proceeds of the fees may be pooled, any expenses and taxes are deducted from the pool, and the pool is shared amongst the winners. In accordance with the pari-mutuel technique, the number of players seeking a game piece having a concealed value may be used to establish a pari-mutuel pool.

In some embodiments, the game space may have a theme. For example, the game space may have within its boundaries a number of competing stores of a type, such as a hardware store. In some embodiments, the stores could cooperate to sponsor game play within the region. For example, incentives could be given to visit each hardware store. In some embodiments, incentives could be given to visit only one hardware store, for example, if that store sponsored the game.

In some embodiments, businesses may sponsor game play by placing advertising in the game space. In some embodiments, the advertising may be placed on the game pieces having a concealed value. In some embodiments, the advertising may be placed in the augmented reality screens. Advertising may be placed on augmented reality screens at the location of the store, or may be a simple 'congratulations' message when a game objective is achieved. In some embodiments, a sponsor could augment the value of a game piece having a concealed value if it is redeemed at his store. Other themed game play may involve safety campaigns, incentives to purchase pets and pet-related goods, and prizes of various values in a candy shop or ice cream parlor. These and other arrangements may be used.

In some embodiments, a game play sponsor may augment the value assigned to a game piece having a concealed value by game server 270. This additive value may be in the same currency as the game piece having a concealed value such as points or money. The additive value may be a supplemental prize, such as a gift certificate from the sponsor's business, or a product from the store. Information relating to values and earnings by each player is relayed to game server 270. The ability of game server 270 to establish values for the game piece provides significant flexibility to provide games having various payout means, thus attracting a variety of players. Also, the ability to assign additional or supplemental values provided by sponsors yields the ability to attract sponsors to underwrite game play costs of players.

Game pieces having a concealed value and associated or related prizes may be distributed throughout the augmented reality game space. In some embodiments, game pieces are associated with a game objective. In some embodiments, a game objective may be to win a footrace against an augmented reality runner in an augmented reality version of a

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local track or a generally-known location, such as a baseball stadium or football stadium. In some embodiments, the game objective may be to capture or to defeat a monster, a dragon, or any game character generated in augmented reality.

FIG. 3 illustrates player or user 305 attempting to identify the location of a game piece having a concealed value. An augmented reality game is running on smart device 210 while user 305 is in park 105 within the game space illustrated on FIG. 1. As can be seen in FIG. 3, display 215 is showing the portion of park 105 at which camera 212 of smart device 210 is pointed. User 305 is manipulating the view through smart device 210 to find a game piece having a concealed value and the game objective associated therewith.

In some embodiments, display 215 shows the view available through camera 212 of smart device 210 and enhances it with an augmented reality supplement. The augmented reality supplement, or overlay, is provided by game server 270 through internet 260. One augmented reality contribution is illustrated in FIG. 4. FIG. 4 illustrates game character 410 as a menacing animal. Game character 410 was identified by using smart device 210 in park 105. The image of game character 410 is provided to display 215 of smart device 210 by augmented reality from game server 270. Game server 270 delivers the image through internet 260 to smart device 210.

In some embodiments, when game character 410 is identified on smart device 210, user 305 then may be presented with a game objective. In the embodiment illustrated in FIG. 4, the game objective is to defeat or control game character 410. In some embodiments, defeating or controlling game character 410 requires that activation button 405 be pushed by user 305. In some embodiments, the game objective may be met by tapping activation button 405 a preselected number of times in a certain period. In some embodiments, it may be necessary to tap activation button 405 with a certain pressure, for smart devices that have a screen that is sensitive to multiple pressure levels to give different results. In some embodiments, pressing activation button 405 for a certain period may be the game objective. The game objective may be established by game server 270 in response to information related to the age or skill of user 305.

If user 305 fails to achieve the game objective, a disparaging screen may appear. The message to be displayed may be sent from game server 270 through internet 260 to display 215 of smart device 210. The message may be related to the age or skill level of user 305. In some embodiments, the screen may say "You are too slow to defeat me!" In some embodiments, the screen may say "You are too weak to defeat me!" In some embodiments, a disparaging message based on the skill necessary to defeat or capture game character 410 may be displayed. In some embodiments, such as embodiments played by children, an encouraging message, such as "Sorry, you failed." or "Nice try!" may be more appropriate. In some embodiments, "Try again!" may be displayed.

In some embodiments, if user 305 fails to achieve the game objective, another attempt may be allowed. In some embodiments, failure to achieve the game objective precludes another attempt. In a multi-player embodiment, failure to achieve a game objective may preclude another attempt until another player has attempted to achieve the game objective. In some embodiments of multi-player play, the team of a player who fails to achieve a game objective

may be excluded from a repeat attempt until a player from the other team has had an opportunity to achieve the game objective.

In some embodiments, smart device **210** may determine that user **305** has achieved a game objective and confirms that user **305** has earned the right to a game piece having a concealed value. Smart device **210** then sends, through internet **260** to game server **270** information indicating that user **305** has achieved a game objective and has earned the right to a game piece having a concealed value.

In some embodiments, upon receiving confirmation that a game piece having a concealed value has been earned, game server **270** sends to smart device **210** information including a location of a game piece having a concealed value. The location may be identified after a congratulatory message.

FIG. **5** illustrates a congratulatory screen that may be displayed when the game objective has been achieved. As user **305** tries to defeat game character **410** in park **105**, game character **410** may become a smaller, more typical, size and may become less menacing as an indicator that user **305** is carrying out the correct technique for achieving the game objective. Game character **410** may display a flag of surrender, as illustrated in FIG. **5**, as an indicator the user **305** has achieved the game objective. In some embodiments, game character **410** may appear to be dead or to have been captured, as with a net over the body of game character **410**. Display **215** of smart device **210** also may show a congratulatory message. In some embodiments, the message may be presented on display **215** of smart device **210** also may include an instruction to collect the prize nearby. Then, user **305** may move the camera **212** around park **105** in game space **100**.

In some embodiments, as user **305** moves camera **212** around the area, various game play objects may appear. The images of these objects may be generated by augmented reality and forwarded to smart device **210** from game server **270** through internet **260**. As can be seen in FIG. **6**, three objects may appear to be on or near park bench **610**. Bottle cap **605**, can **615**, and pen **620** may be seen in display **215** of smart device **210**. These objects are game pieces having concealed values. However, as can be seen, bottle cap **605** is highlighted in augmented reality. Thus, bottle cap **605** is a game piece having a concealed value greater than any value to be found in the other of the game pieces.

In some embodiments, there may be others playing other games simultaneously, but using the same game pieces having concealed values. In such embodiments, there exists a clear advantage to being able to identify the game piece having the highest value with the signals provided from game server **270** through internet **260** to smart device **210**.

User **305** then may select bottle cap **605** as the prize for completing the game objective. This game piece represents the actual prize, which may be awarded at a later time. The actual prize may be anything of value, including points that may be added to other points earned at other steps in the game play. Bottle cap **605** may have a code printed or otherwise associated with the physical cap. In some embodiments, a QR code may be present. In some embodiments, bottle cap **605** may include a near-field communication (NFC) chip. Either type of code may be read by smart device **210**. If the prize is points, the value may be added immediately to the account of user **305**. In this case, smart device **210** may communicate the value of the prize to game server **270** through internet **260**. Game server **270** then may add the value of the prize to the value of the account to obtain a new value of the account. In some embodiments, game server **270** thus provides secure storage of value in the user's

account, as smart device **210** is required to access the account. This new value then may be communicated from game server **270** to smart device **210** through internet **260**. In some embodiments, a sponsored prize may be picked up at the office of the sponsor. Although a prize may be transferred to the user's account, a prize also may be left in the custody of another for use in the future. For example, a prize from a business may be treated like a gift card at that business. In some embodiments, the new value may be made available to other players from game server **270** through internet **260**. Any tangible prizes may be obtained in a different way.

The disclosure also is directed to another embodiment of a method for guiding gameplay. In this embodiment, after smart device **210** communicates to game server **270** that a game objective has been achieved and the right to a game piece having a concealed value has been earned, game server **270** may send information, including the location of the game piece having a concealed value, to smart device **210**. Game server **270** also may send a prize passcode to smart device **210** and to confirmation device **250** at the location of the game piece having a concealed value. User **305** then follows navigation instructions to the location of the game piece having a concealed value and of the prize by following navigation directions to the location of confirmation device **250**.

FIG. **7** is illustrative of a message that may be sent to display **215** of smart device **210**. In embodiments requiring navigation instructions, the screen in FIG. **7** may be sent to smart device **210**. The screen may contain congratulatory and encouraging statements, and may include navigation button **705**. Activation of navigation button **705** sends a signal to game server **270** that smart device **210** is ready to receive navigation instructions. Game server **270** then returns navigation directions to smart device **210**.

FIG. **8** illustrates for system **800** the interactions of embodiments of the parts of a system. Smart device **210** may confirm that a game objective is completed in step **805**. In step **810**, smart device **210** then may forward information of completion to game server **270**. Game server **270** may receive information about completion of a game objective in step **815** and may choose the location of the prize in step **820**. In step **825**, game server **270** may send the prize passcode to both smart device **210** and confirmation device **250**. Smart device **210** may receive the prize passcode in step **835** and confirmation device **250** receives the passcode in step **830**. In step **840**, game server **270** may send navigation information to smart device **210**. In step **845**, smart device **210** receives the information for display to user **305**. Examples of these steps are provided in the following figures.

In some embodiments, navigation instructions **910** may be provided as a route on a map, as illustrated in FIG. **9**. As shown, user **305** at location **905** in park **105** is illustrated at a start point. Navigation instructions **910** are indicated on the map. Navigation instructions **910** end at first restaurant **130**, which also may be labelled as prize location **930**. In some embodiments, prize location **930** may be selected to be age-appropriate. Thus, if a child is playing the game, first restaurant **130** may be a suitable family-type restaurant. Lounge **135** may be considered inappropriate as the prize location for a child playing the game. These types of considerations may be installed into game server **270** at the time the game is begun.

In some embodiments, directions may be given in another way. For example, directions may be expressed by a compass direction and distance from user **305**. Such a style may

be particularly suited for students of orienteering. In a game space that has buildings and other obstacles to travel, the directions may be expressed so that the instructions align with streets, lanes, and paths that allow free travel. In some embodiments, the directions may be expressed as a single direction and distance, with a feasible route to be determined or calculated by the user. In some embodiments, the direction may name streets and identifying cross-streets and directions to turn. Any such method is suitable.

FIG. 10 illustrates a scenario wherein user 305 displays a prize passcode on display 215 of smart device 210 to employee 1005 of prize location 930. The same prize passcode has been forwarded from game server 270 through the internet to confirmation device 250 and smart device 210. Thus, when user 305 presents a prize passcode, employee 1005 calls up the prize passcode on confirmation device 250. When the prize passcodes match, user 305 is awarded the prize.

In embodiments, the prize may be one of a plurality of prizes that look identical to the unaided eye. In such a circumstance, the prize value may be printed or otherwise put onto the game pieces having a concealed value in a manner that is not visible to the unaided eye. In some embodiments, the game pieces 1115 will be arranged on a tray 1110 offered by employee 1005, as illustrated in FIG. 11, or in any suitable way. Because the value of the game piece is concealed, it may be necessary to have equipment that can identify which game piece to select. To provide the ability to identify the valuable game piece having a concealed value, an infrared notch filter for the correct range of infra-red light may be supplied from game server 270. Such a filter uses a particular band of infrared that will enable user 305 to select the game piece having a concealed value. As shown in FIG. 11, user 305 uses the infra-red notch filter through camera 212 of smart device 210 to identify bottle cap 605 as the prize token.

FIG. 12 illustrates some embodiments of redemption opportunities for user 305 having winning bottle cap 605 in his possession. Game server 270 may authenticate the value of the prize, as read by smart device 210 and forwarded by way of internet 260. Authentication by game server 270 is forwarded to smart device 210 to show a message on display 215. The message may be congratulatory, or it may enquire whether, if the prize is points, user 305 would like to deposit the value of the prize into the account of user 205. The user may select deposit or another option.

FIG. 13 illustrates the roles of smart device 210, game server 270, and confirmation device 250 in this exchange. In some embodiments of system 1300, user 305 arrives with smart device 210 at prize location 930 in step 1305. In step 1310, user 305 shows the prize passcode on display 215 to employee 1005, who may validate the win by comparing the prize passcode on display 215 with the passcode on screen 251 of confirmation device 250 in step 1315. Confirmation device 250 may send validation information at step 1320 to game server 270, which may receive the information at step 1325. Game server 270 then may send infra-red notch filter at step 1330, which may be received at step 1335 by smart device 210 in the possession of user 305. Game server 270 also may assign value to the prize in step 1340 and may provide that value to smart device 210 in step 1345. Employee 1005 presents prizes to user 305, who may use the infra-red notch filter to select the prize identified by the filter in step 1350. The prize may be securely retained by employee 1005 at the business so that user 305 may use the prize or take possession of it at another time.

While various embodiments of the invention have been described, the description is intended to be exemplary, rather than limiting and it will be apparent to those of ordinary skill in the art that many more embodiments and implementations are possible that are within the scope of the invention. Accordingly, the invention is not to be restricted except in light of the attached claims and their equivalents. Also, various modifications and changes may be made within the scope of the attached claims.

The invention claimed is:

1. A method for guiding gameplay of a game in an augmented reality game space, the game running on a smart device in conjunction with the game space and a game server, the method comprising:

determining that a user has completed a game objective and earned the right to a game piece having a concealed value;

sending information to the game server, the information indicating that user has completed the game objective;

receiving information from the game server, the information including a location of the game piece having a concealed value;

identifying on a display of the smart device of the user that has completed the game objective the location of the game piece having a concealed value in the augmented reality game space; and

wherein a value of the game piece having a concealed value is dynamically set by the game server upon one of:

when the game piece is available in the game space; or when the user has completed the game objective; or when the user redeems the game piece for the concealed value.

2. The method according to claim 1, further comprising: displaying a view available through a camera of the smart device on the display of the smart device; and enhancing the view on the display of the smart device with an augmented reality supplement.

3. The method according to claim 2, wherein the augmented reality supplement is provided to the smart device from the game server.

4. The method according to claim 2, wherein the augmented reality supplement includes a message to the user of the smart device provided by the game server.

5. The method according to claim 1, wherein the value of the game piece having a concealed value is augmented by a sponsor.

6. The method according to claim 5, wherein the value is augmented by the sponsor using a same currency as the game piece having a concealed value.

7. The method according to claim 5, wherein the value is augmented by the sponsor as a supplemental prize.

8. The method according to claim 1, wherein the game space is associated with an outdoor area.

9. The method according to claim 1, wherein the game space is associated with an indoor area.

10. The method according to claim 1, wherein the game space is associated with a combination of an indoor area and an outdoor area.

11. A method for guiding gameplay of a game in an augmented reality game space, the game running on a smart device in conjunction with the game space and a game server, the method comprising:

receiving information from the smart device, at the game server, that a user has completed a game objective and earned the right to a game piece having a concealed value;

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dynamically setting, at the game server, a value of the game piece having a concealed value;
sending information from the game server to the smart device, the information including a location of the game piece having a concealed value;
wherein a display of the smart device of the user that has completed the game objective is configured to identify the location of the game piece having a concealed value in the augmented reality game space on the display; and
wherein the value of the game piece having a concealed value is dynamically set by the game server upon one of:

when the game piece is available in the game space; or
when the user has completed the game objective; or
when the user redeems the game piece for the concealed value.

12. The method of claim 11, further comprising:
establishing a plurality of game pieces having a concealed value, wherein at least one game piece having a concealed value of the plurality of game pieces has a higher value than at least one other game piece having a concealed value of the remaining plurality of game pieces.

13. The method according to claim 11, further comprising:
sending a prize passcode from the game server to the smart device of the user that has completed the game objective.

14. The method according to claim 13, further comprising:
sending the prize passcode from the game server to a confirmation device at the location of the game piece having a concealed value.

15. The method according to claim 11, wherein the value of the game piece having a concealed value is augmented by a sponsor.

16. The method according to claim 11, wherein the game space is associated with one of:

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an outdoor area; or
an indoor area; or
a combination of an indoor area and an outdoor area.

17. A method for guiding gameplay of a multi-player game in an augmented reality game space with a plurality of users, the game running on a plurality of mobile systems in conjunction with a game server, each mobile system associated with a user of the plurality of users and the mobile system comprising a smart device in conjunction with a game space, the method comprising:

receiving information, at the game server, that at least one user of the plurality of users has completed a game objective and earned the right to a game piece having a concealed value;

dynamically setting a value of the game piece having a concealed value, by the game server, using a pari-mutuel arrangement based on a number of users of the plurality of users playing the multi-player augmented reality game,

sending a location of the game piece having a concealed value from the game server to the smart device of the at least one user that has completed the game objective; and

sending a prize passcode from the game server to the smart device of the at least one user that has completed the game objective.

18. The method according to claim 17, further comprising:

sending the prize passcode from the game server to a confirmation device at the location of the game piece having a concealed value.

19. The method according to claim 17, wherein the value of the game piece having a concealed value is augmented by a sponsor.

20. The method according to claim 11, wherein the game space is associated with one of:

an outdoor area; or
an indoor area; or
a combination of an indoor area and an outdoor area.

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